

NUNO CARVALHINHO

Energy and Sustainability Researcher

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A dedicated PhD student focused on researching Energy and Sustainability. Proficient in academic research and data analysis, using tools such as Python and Excel. Passionate about developing optimized data-driven policies to support a clean energy transition and achieve global sustainability goals.

SKILLS AND EXPERTISE

- Critical thinking and creative problem solving
- Ability to work under pressure
- Adaptability
- Python
- MATLAB
- Excel

EDUCATION

2019 - 2022 | B. SC. MECHANICAL ENGINEERING

Instituto Superior Técnico - ULisboa

2022 - 2024 | M. SC. MECHANICAL ENGINEERING - ENERGY SPECIALIZATION

Instituto Superior Técnico - ULisboa

2025 - PRESENT | PH.D. IN SUSTAINABLE ENERGY SYSTEMS

IN+ - Instituto Superior Técnico - ULisboa

EXPERIENCE

2021 - 2022 | FORUM MECÂNICA

Collaborator

Collaborator in organizing activities and events, such as MECHANIST XI.

JUN 2023 - AUG 2023 | ISQ - INSTITUTO SEGURANÇA E QUALIDADE

Trainee

Participation in ATP certifications and specific tests for aerospace, vehicle and energy production components.

ACTIVITIES

JUL 2025 | 12TH INTERNATIONAL CONFERENCE ON INDUSTRIAL ECOLOGY

Oral presentation

Presentation of the work "Analyzing Resource Productivity Dynamics by Clustering European Economies"

JUL 2026 | 2026 ISIE SOCIO-ECONOMIC METABOLISM CONFERENCE

Poster presentation

Presentation of the work "Mapping Global Socioeconomic Metabolism: A framework to construct multi-regional physical input-output tables"